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6. AUTHOR(S)  Jose L. Ardai Jr. Suzanne H. O'Hara				
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES)  Lamont Doherty Earth Observatory of Columbia University 61 Rt.9W Palisades, New York 10964		8. PERFORMING ORGANIZATION REPORT NUMBER		
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13. ABSTRACT (Maximum 200 words)  Work performed under the above contract is described. Data collected on the SIMI project was analyzed, distributed and a data report Written. Software developed was enhanced and used on other ONR sponsored projects. Planning work was accomplished for other ONR funded projects . Further development work was done on the LDEO developed RPV.				
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## **End of Project Summary**

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**Goals and Objectives:** Hydrographic data collected during the SIMI project was post processed. The data report generated was distributed to interested scientists and presented in a poster session at the Workshop on SIMI and Arctic Modeling held in Anchorage, AK April 1995. Digital data was also distributed.

Programs developed under the previous contract were expanded to include more features and used by other institutions for data reduction of SIMI data. In addition, these enhanced programs were used on ONR funded research activities by other Lamont scientists. Software development and guidance was provided to other SIMI scientists.

Further development was accomplished on the low-cost RPV developed for the SIMI project, with additional test flights and more training of operators. Several configurations of instruments were carried and photographic operation tested successfully.

Planning work was done for both SHEBA and SCICEX programs. One investigator (Ardai) participated in both projects

**Approach:**

The above objectives were completed with the supervision of J. Ardai and S. O'Hara. Some of the equipment developed during the funding period were:

- Further development of the UNIX based data logging system. Enhancements added were additional navigation functions and easier support of serial devices. During this period the system was changed to SOLARIS for future compatibility.
- Maintenance of database of ONR Arctic equipment located at LDEO
- Continued support of ONR equipment returned from SIMI and SCICEX

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